BRUHAT BANGALORE MAHANAGARA PALIKE

KODIGEHALLI SUBDIVISION

WARD NO.07, Byatarayanapura

Name of work:Improvements to Basketball Ground in Sahakaranagara in ward no.07, Byatarayanapura

PCODE:- P1771

Est Cost : 10.00 LAKHS

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Estimated Cost:- 10.00 akhs

S.N	DESCRIPTION OF WORK	Unit	N	L	B	D	QTY	RATE	AMOUNT
1	2	3	4	5	6	7	8	9	10
1	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.143.Item No.19.1)								
	For laying pavers		1	40.00	5.00	0.45	90.00		
	Rain water harvesting		4	3.14*0.8*0.8		1.70	3.40		
	Over burden earth		1	15.00	2.00	0.60	18.00		
					TOTAL		**111.40**	137.80	15351.00
	Basic Rate:	cum	**130.00**						
	Area Weightage @ 6%		7.80						
	Total		**137.80**						
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . **(Pg.No.13, It.4.3)**								
	For laying pavers		1.00	40.00	5.00	0.15	30.00		
					TOTAL		**30.00**	5408.12	162244.00
	Basic Rate:	cum	5102.00						
	Area Weightage @ 6%		306.12						
	Total		5408.12						
3	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x200x400 mm and finished with CM 1:3 plastering and finishing cutting etc., complete.Pg No. 27, Item No.5.29.1								
	Edge line for laying pavers		2	40.00			80.00		
							177.78		
			TOTAL(total length/0.45)				**178.00**	477.00	84906.00
	Basic Rate:	Nos	450.00						
	Area Weightage @ 6%		27.00						
	Total		477.00						

4	KSRB 5-9.1:Providing and applying ready mix priming coat over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications. Page No. 124 / Item No. 15.80								
			178.00		0.45		80.10		
					TOTAL		**80.10**	39.22	3142.00
	Basic Rate:	sqm	37.00						
	Area Weightage @ 6%		2.22						
	Total		39.22						
5	KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS. (P.No. 103, I.No. 14.6)								
			1.00	40.00	5.00		200.00		
					TOTAL		**200.00**	1116.18	223236.00
	Basic Rate:	sqm	1053.00						
	Area Weightage @ 6%		63.18						
	Total		1116.18						
6	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.9								
	Only repairs for foundation wall of chain link fencing		1.00	50.00	0.45	0.80	18.00		
					TOTAL		**18.00**	5811.98	104616.00
	Basic Rate:	cum	5483.00						
	Area Weightage @ 6%		328.98						
	Total		5811.98						
7	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications Page No. 115/ Item No. 15.3								
	Only repairs for foundation wall of chain link fencing		1.00	50.00		0.80	40.00		
					TOTAL		**40.00**	150.52	6021.00
	Basic Rate:	Sqm	142.00						
	Area Weightage @ 6%		8.52						
	Total		150.52						

8	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Page No.13, Item No. 4.6								
	Coping on repaired wall		1.00	50.00	0.45	0.10	2.25		
					TOTAL		**2.25**	5747.32	12932.00
	Basic Rate:	cum	5422.00						
	Area Weightage @ 6%		325.32						
	Total		5747.32						
9	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) Page No. 262 / Item No. 37.2								
	Repairs		20.00	2.10			42.00		
					TOTAL		**42.00**	910.54	38243.00
	Basic Rate:	m	859.00						
	Area Weightage @ 6%		51.54						
	Total		910.54						
10	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. Page No. 262 / Item No. 37.4								
	Repairs		3.00	40.00			120.00		
					TOTAL		**120.00**	432.48	51898.00
	Basic Rate:	m	408.00						
	Area Weightage @ 6%		24.48						
	Total		432.48						
11	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint Page No. 262 / Item No. 37.3								
	Repairs		1.00	50.00		2.10	105.00		
					TOTAL		**105.00**	757.90	79580.00

	Basic Rate:	Sqm	715.00						
	Area Weightage @ 6%		42.90						
	Total		757.90						
12	KSRB-15-18.1:Applying additional one coat (excluding priming coat) on previoulsy painted wood surface and /or wood based surface with enamle paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, inlcuding cost of materials, labour, complete a sper specificationss. Pg No.123, Item No.18-18.1								
	Chain link fencing		2.00	85.00		2.10	357.00		
					TOTAL		**357.00**	43.46	15516.00
	Basic Rate:	Sqm	41.00						
	Area Weightage @ 6%		2.46						
	Total		43.46						
13	KSRRB M2900-2.1. Laying Reinforced cement concrete pipe NP2 / prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets complete as per specifications. MORTH Specification No. 2900 B. 1200 mm dia MORTH Specification No. 1000,2300 Page No. 255, Item No. 34.7.8, PWD SR 2018-19								
			2	1.50	--	--	3.00		
					TOTAL		**3.00**	5976.28	**17928.84**
	Basic Rate:	mtr	5638.00						
	Area Weightage @ 6%		338.28						
	Total		5976.28						
14	Providing 100mm and down size nominal size. (Pg No.I.Item No.23)								
	For Pit		2	0.28		0.60	0.34		
	(3.14x0.6*0.6)/4	Cum			**TOTAL**		**0.34**	987.62	**335.79**
15	Providing 40mm and down size nominal size (Pg No.II.Item No.25)								
	For Pit		2	0.28		0.40	0.23		
	(3.14x0.6*0.6)/4	Cum			**TOTAL**		**0.23**	1091.43	**251.03**
16	Providing 20mm and down size nominal size (Pg No.II.Item No.28)								
	For Pit		2	0.28		0.40	0.23		
	(3.14x0.6*0.6)/4	Cum			**TOTAL**		**0.23**	1091.43	**251.03**
17	Providing Fine aggrgate 2.36mm nominal size (Pg No.II.Item No.32)								
	For Pit		2	0.28		0.30	0.17		
	(3.14x0.6*0.6)/4	Cum			**TOTAL**		**0.17**	1054.29	**179.23**
18	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 136, item No. 17.1)								
	Basic Rate	cum	**57.00**				111.40	94.34	10510.00
	Rs. 2.50 Tonne Km.								

	Average Weight of earth 1.28 Tonne/Km.								
	For 10 Km								
	Rs.2.50X1.28TonneX10K		**32.00**						
	Total		**89.00**						
	Add Area Weightage6%		**5.34**						
			94.34						
19						Electrical charges Lumpsum			65000.00
20						**Sub Total**			892140.92
21				**Add 12% GST charges**					107056.91
22				**Miscelleneous charges**					802.17
23						**Total**			1000000.00

1)This is certified that the work spot comes under BBMP limits only.

2) The work spot is inspected by me

3) The items Provided in the Estimate are quite Essential

4)The rates are as per CSR of 2018-19 year of PWD Bangalore Circle.

Asst.Engineer
Ward no.7

Asst.Exe.Engineer
Kodigehalli Sub-division
B.B.M.P.

Executive Engineer
Byatrayanapura Division
B.B.M.P.

ADMINISTRATIVE APPROVAL
Accorded For Rs. 10.00 Lakhs Ten Lakhs
Head of A/c. P1771
Div. Ref. No. 05/19-18 Date 8-5-19
AE EE(BTP)

TECHNICAL SANCTION
Accorded For Rs. 10.00 Lakhs Ten Lakhs
Head of A/c. P1771.
Div. Ref. No. 20/19-18 Date 8-5-19
AE EE(BTP)